Bird Study (1994) **40**, 236–240

Index

Acanthis flavirostris, 143
Aero-generators: effects on moorland bird populations, 140
Alauda arvensis, 143
Anas clypeata, 170
Anas crecca, 142
Anas penelope, 142
Anas platyrhynchus, 142
Arctitis hypoleucos, 189
Athene noctua, 69

Behaviour: feeding behaviour of Shags at fish farms, 203; in the post-fledging period of the Red Kite, 181; territorial and breeding density, 82, territoriality in the Wood Warbler, 12
Bibby, C.J. & Etheridge, B. Status of the Hen Harrier *Circus cyaneus in* Scotland in 1988–89, 1
Birds of Estuaries Enquiry (BoEE), 39
Blackbird: Magpie predation on nests, 55
Breeding: and territoriality in Wood Warblers, 12; breeding Golden Plover status, 196; breeding wader census method, 189; Dotterel breeding population in Britain, 161; Lesser Kestrel nest-site selection and breeding success, 115; Little Grebe, 107; organochlorine content of Dipper eggs, 97; polygyny in Pied Flycatchers, 31; success of Hen Harriers, 1 *See also* Eggs; Juveniles; Nesting; Territories
Brown, A.F. The status of Golden Plover *Pluvialis apricaria* in the south Pennines, 196
Brown, A.F. & Shepherd, K.B. A method for censusing upland breeding waders, 189
Bustamente, J. Post-fledging dependence period and development of flight and hunting behaviour in the Red Kite *Milvus milvus*, 181
Buteo buteo, 24, 65
Buteo jamaicensis, 24
Buzzard, Common: nests used by Kestrels, 65; population and territorial distribution, 24

Calidris alpina, 142, 189, 212
Calidris canutus, 144
Carss, D.N. Shags *Phalacrocorax aristotelis* at cage fish farms in Argyll, Western Scotland, 203
Census methods *See* Counts
Charadrius morinellus, 161, 189
Chough, Red-billed: diet, 216
Christer, W.G. *See* Meek, E.R.
Cinclus cinclus, 97
Circus cyaneus, 1
Circus pygargus, 74
Coates, A.S. *See* Kenward, R.E.
Corvus corax, 65
Corvus corone, 63, 223
Corvus monedula, 65, 218, 232
Counts: birds in European gardens, 120; breeding wader census, 189; Hen Harrier survey, 1; of breeding Dotterel, 161; of Golden Plovers in the south Pennines, 196; of wintering Lapwings and Golden Plovers, 38; of wintering Shovelers, 170

Bird Study (1994) **40**, 236–240

Index

Acanthis flavirostris, 143
Aero-generators: effects on moorland bird populations, 140
Alauda arvensis, 143
Anas clypeata, 170
Anas crecca, 142
Anas penelope, 142
Anas platyrhynchus, 142
Arctitis hypoleucos, 189
Athene noctua, 69

Behaviour: feeding behaviour of Shags at fish farms, 203; in the post-fledging period of the Red Kite, 181; territorial and breeding density, 82, territoriality in the Wood Warbler, 12
Bibby, C.J. & Etheridge, B. Status of the Hen Harrier *Circus cyaneus in* Scotland in 1988–89, 1
Birds of Estuaries Enquiry (BoEE), 39
Blackbird: Magpie predation on nests, 55
Breeding: and territoriality in Wood Warblers, 12; breeding Golden Plover status, 196; breeding wader census method, 189; Dotterel breeding population in Britain, 161; Lesser Kestrel nest-site selection and breeding success, 115; Little Grebe, 107; organochlorine content of Dipper eggs, 97; polygyny in Pied Flycatchers, 31; success of Hen Harriers, 1 *See also* Eggs; Juveniles; Nesting; Territories
Brown, A.F. The status of Golden Plover *Pluvialis apricaria* in the south Pennines, 196
Brown, A.F. & Shepherd, K.B. A method for censusing upland breeding waders, 189
Bustamente, J. Post-fledging dependence period and development of flight and hunting behaviour in the Red Kite *Milvus milvus*, 181
Buteo buteo, 24, 65
Buteo jamaicensis, 24
Buzzard, Common: nests used by Kestrels, 65; population and territorial distribution, 24

Calidris alpina, 142, 189, 212
Calidris canutus, 144
Carss, D.N. Shags *Phalacrocorax aristotelis* at cage fish farms in Argyll, Western Scotland, 203
Census methods *See* Counts
Charadrius morinellus, 161, 189
Chough, Red-billed: diet, 216
Christer, W.G. *See* Meek, E.R.
Cinclus cinclus, 97
Circus cyaneus, 1
Circus pygargus, 74
Coates, A.S. *See* Kenward, R.E.
Corvus corax, 65
Corvus corone, 63, 223
Corvus monedula, 65, 218, 232
Counts: birds in European gardens, 120; breeding wader census, 189; Hen Harrier survey, 1; of breeding Dotterel, 161; of Golden Plovers in the south Pennines, 196; of wintering Lapwings and Golden Plovers, 38; of wintering Shovelers, 170

Crow, Carrion: nests used by Kestrels, 63; predation on nests of moorland waders, 223
Curlew: census methods for, 189; effects of egg predation on, 223

Davy, P.R. *See* Meek, E.R.
Dekinga, A. & Piersma, T. Reconstructing diet composition on the basis of faeces in a mollusc-eating wader, the Knot *Calidris canutus*, 144
Diet *See* Feeding
Dipper: organochlorine content of eggs, 97
Distribution: of breeding Dotterel, 161; of Golden Plovers in the south Pennines, 196; of wintering Lapwings and Golden Plovers, 38; of wintering Shovelers, 170; territorial distribution of Common Buzzards, 24 *See also* Populations; Territories
Diver, Red-throated: decline in numbers on an aero-generator site, 140
Dotterel: breeding population in Great Britain, 161; census methods, 189
Droppings: Knot diet assessed from, 144
Ducks: effect of an aero-generator site on, 142
Dunlin: census methods for, 189; diurnal and nocturnal prey detection, 212; effect of an aero-generator site on, 142

Ecology: effect of migration and scale on population studies, 81 *See also* Habitats
Eggs: nest predation and clutch size in the Jackdaw, 232; nest predation and moorland waders, 223; organochlorine content of Dipper eggs, 97
See also Breeding
Emberiza schoeniclus, 133
Etheridge, B. *See* Bibby, C.J.

Faeces: Knot diet assessed from, 144
Falco naumanni, 115
Falco subbuteo, 71
Falco tinnunculus, 63
Feeding: diet of Red-billed Choughs in Spain, 216; diet of Shags during chick-rearing, 135; diet of the Knot assessed, 144; foods and feeding rates of Montagu's Harriers, 74; Red Kite post-fledging period, 181; Shags feeding at cage fish farms, 203 *See also* Predation
Fiedecula hypoleuca, 31
Fish farms: Shags feeding at, 203
Flight: post-fledging flight in the Red Kite, 181
Flycatcher, Pied: polygyny, 31
Food *See* Feeding

Galbraith, H., Murray, S., Rae, S., Whitfield, D.P. & Thompson, D.B.A. Numbers and distribution of Dotterel *Charadrius morinellus* breeding in Great Britain, 161
Gallinago gallinago (Snipe), 189, 223
Gardens: birds in European gardens, 120
Gavia stellata, 140
Goss-Custard, J.D. The effect of migration and scale on the study of bird populations: 1991 Witherby Lecture, 81
Grebe, Little: breeding biology, 107
Greenaway, K. *See* Thompson, P.S.
Greenwood, J.J.D. *See* Thompson, P.S.
Groom, D.W. Magpie *Pica pica* predation on Blackbird *Turdus merula* nests in urban areas, 55
Grouse, Red: effect of an aero-generator site on, 140
Gull, Common: effects of an aero-generator site on 143; predating on eggs of moorland waders, 223
Gull, Great Black-backed: effects of an aero-generator site on, 143

Habitats: and breeding success of Hen Harriers, 1; and territorial distribution of Common Buzzards, 24; carrying capacity, 87; gardens, 120; habitat types of wintering Shovelers, 170; Wood Warbler, 12
Haematopus ostralegus, 87, 189, 223
Harrier, Hen: status in Scotland, 1
Harrier, Montagu's: foods and feeding rates in arable farmland, 74
Halley, D.J. Population changes and territorial distribution of Common Buzzards *Buteo buteo* in the Central Highlands, Scotland, 24
Harris, M.P. & Wanless, S. The diet of Shags *Phalacrocorax aristotelis* during the chick-rearing period assessed by three methods, 135
Hawk, Red Tailed: habitat and territories, 24
Herremans, M. Clustering of territories in the Wood Warbler *Phylloscopus sibilatrix*, 12
Higginson, I. *See* Meek, E.R.
Hiraldo, F. *See* Negro, J.J.
Hobby: nest sites compared to those of the Kestrel, 71

Insecticides: in Dipper eggs, 97

Jackdaw: diet in southern Spain, 218; nest predation and clutch size, 232; nests used by Kestrels, 65
Juveniles: post-fledging period in the Red Kite, 181; radio-tagging pheasant chicks, 51

Karlbom, M. *See* Kenard, R.E.
Kenward, R.E., Robertson, P.A., Coates, A.S., Marcström, V. and Karlbom, M., Techniques for radio-tagging pheasant chicks, 51
Kestrel, Common: nest sites, 63
Kestrel, Lesser: nest-site selection and breeding success, 115
Kirby, J.S. & Lack, P.C. Spatial dynamics of wintering Lapwings and Golden Plovers in Britain and Ireland, 1981/82 to 1983/84, 38
Kirby, J.S. & Mitchell, C. Distribution and status of wintering Shovelers *Anas clypeata* in Great Britain, 170
Kite, Red: post-fledging period, 181
Knot: diet assessed from faeces, 144

Lack, P.C. *See* Kirby, J.S.
Lagopus lagopus scoticus, 142
Lapwing: census methods compared, 189; effects of nest predation on, 223; winter distribtion in Britain and Ireland, 38
Larus canus, 143, 223
Larus marinus, 143

Magpie: nests used by Kestrels, 63; predation on Blackbirds in urban areas, 55
Mallard: effect of an aero-generator site on, 142
Marcström, V. *See* Kenward, R.E.
Meek, E.R., Ribbands, J.B., Christer, W.G., Davy, P.R. & Higginson, I. The effects of aero-generators on moorland bird populations in the Orkney Islands, Scotland, 140
Methodology: egg-predator removal, 223; Hen Harrier status methods, 1; radio-tagging pheasant chicks, 51; reconstructing diet composition of the Knot, 144 *See also* Counts
Migrants: Dotterel breeding in Britain, 161; effect of migration and scale on population studies 81; nest choice by Lesser Kestrels, 115; wintering Lapwings and Golden Plovers, 38; wintering Shovelers in Britain, 170
Milvus milvus, 181
Mitchell, C. *See* Kirkby, J.S.
Modelling, mathematical: of bird populations, 89

Montalvo, S. *See* Potti, J.
Moss, D. & Moss, G.M. Breeding biology of the Little Grebe *Tachybaptus ruficollis* in Britain and Ireland, 107
Moss, G.M. *See* Moss, D.
Mouritsen, K.N. Diurnal and nocturnal prey detection by Dunlins *Calidris alpina*, 212
Murray, S. *See* Galbraith, H.

National Waterfowl Counts (NWC), 171
Negro, J.J. & Hiraldo, F. Nest-site selection and breeding success in the Lesser Kestrel *Falco naumanni*, 115
Nesting: Jackdaw nest-entrance size and predation, 232; Kestrel nest sites, 63; Lesser Kestrel nest sites, 115; success of Hen Harriers, 1 *See also* Breeding; Eggs
Numenius arquata, 189, 223

Oenanthe oenanthe, 143
Organochlorines: in Dipper eggs, 97
Ormerod, S.J. & Tyler, S.J. Further studies of the organochlorine content of Dipper *Cinclus cinclus* eggs: local differences between Welsh catchments, 97
Owls, Barn, Little and Tawny: tree nests compared to Kestrel nests, 69
Oystercatcher: census methods, 189; population studies, 87; predation of eggs, 223

Parr, R. Nest predation and numbers of Golden Plovers *Pluvialis apricaria* and other moorland waders, 223
Pellets: Shag, 135
Phalacrocorax aristotelis, 135, 203
Phasianus colchicus, 38
Pheasant, Ring-necked: radio-tagging chicks, 51
Phylloscopus sibilatrix, 12
Pica pica, 55, 63
Piersma, T. *See* Dekinga, A.
Plover, Golden: census methods for, 189; effect of an aero-generator site on, 142; effects of nest predation on, 223; status in the south Pennines, 196; winter distribution in Britain and Ireland, 38
Plover, Grey: esturine numbers, 88
Pluvialis apricaris, 38, 142, 189, 196, 223
Pluvialis squatarola, 88
Populations: changes in Common Buzzard, 24; declining moorland waders, 223; effect of aero-generators on moorland bird populations, 140; effect of migration and scale on studies of, 81; Hen Harriers in Scotland, 1; of breeding Dotterel, 161; of Golden Plover in the south Pennines, 196; wintering Shovelers in Britain, 170
Potti, J. & Montalvo, S. Polygyny in Spanish Pied Flycatchers *Fidecula hypoleuca*, 31
Predation: by Magpies on Blackbird eggs, 55; nest predation and clutch size in the Jackdaw, 232; nest predation of moorland waders, 223; prey detection by Dunlins, 212
Pyrrhocorax pyrrhocorax, 216

Rae, S. *See Galbraith, H.*
Raven: nests used by Kestrels, 65
Redshank: census methods for, 189; effects of egg predation on, 223
Ribbands, J.B. *See* Meek, E.R.
Robertson, P.A. *See* Kenward, R.E.

Sandpiper, Common: census methods for, 189
Saxicola torquata, 143
Shag: at cage fish-farms, 203; diet during chick-rearing, 135

Shepherd, K.B. *See Brown*, A.F.
Shoveler: distribution and status of winter birds, 170
Shrubb, M. Nest sites in the Kestrel *Falco tinnunculus*, 63
Skua, Arctic: effect of an aero-generator site on, 143
Skylark: effects of an aero-generator site on, 143
Snipe: census methods for, 189; effects on egg predation on, 223
Soler, J.J. & Soler, M. Diet of the Red-billed Chough *Pyrrhocorax pyrrhocorax* in south-east Spain, 216, 216
Soler, M. & Soler, J.J. Does the risk of nest predation affect clutch size in the Jackdaw *Corvus monedula?*, 232
Stercorarius parasiticus, 143
Stonechat: effects of an aero-generator site on, 143
Strix aluco, 69
Surveys *See* Counts

Tachybaptus ruficollis, 107
Teal: effect of an aero-generator site on, 142
Territories: and breeding density, 82; clustered in the Wood Warbler, 12; Common Buzzard, 24
Thompson, D.B.A. *See* Galbraith, H.
Thompson, P.S., Greenwood, J.J.D. & Greenaway, K. Birds in European gardens in the winter and spring of 1988–89, 120
Tringa nebularia, 189
Tringa totanus, 189, 223
Turdus merula, 55
Twite: effect of aero-generator sites on, 143
Tyler, S.J. *See* Ormerod, S.J.
Tyto alba, 69

Underhill-Day, J.C. The foods and feeding rates of Montagu's Harriers *Circus pygargus* breeding in arable farmland, 74

Vanellus vanellus, 38, 189, 223

Waders: breeding wader census, 189; effect of an aero-generator site on, 142; effects of nest predation on numbers, 223
Wanless, S. *See* Harris, M.P.
Warbler, Wood: clustered territories, 12
Weather: affecting abundance of Lapwings and Golden Plovers, 38; affecting wintering Shovelers, 170
Wheatear: effects of an aero-generator site on, 143
Whitfield, D.P. *See* Galbraith, H.
Wigeon: effect of an aero-generator site on, 142
Wintering areas: bird populations at, 82 *See also* Migrants
Witherby Lecture (1991), 81